| ,2 |
|--|
| CALCULATE MULTI-MEDIA INFORMATION |
| PROBABILITIES |
| |
| / \ |
| INITIALLY SELECT MULTI-HEDIA CUES |
| 16 |
| DIVIDEVIDEO SECHEUS INTO GOB-SEGMEINTS. |
| 16 |
| CALCULATE A PROBABILITY DISTRIBUTION FOR THE MUITI-MEDIA INFORMATION IN EACH SUB-SEGMENT |
| , 10 |
| COMBINE THE PROBABILITY DISTRIBUTIONS FROM EACH SUB-SEGMENT |
| 11.12 |
| CONBINE THE MULTIMEDIA CUES FROM A INUMBER OF PROGRAMS FOR THE SAME GENEE |
| 1/3 |
| SELECT THE MULTI-HEDIA CUES HAVING THE HIGHER PROBABILITY |

FIGUREI

| Frame start | Frame end | silence | noise | speech(sp) | music | sp+sp | sp+noise | sp+music |
|-------------|-----------|---------|----------|------------|----------|-------|----------|----------|
| 0 | 18 | 1 | 0 | 0 | 0 | 0 | 0 | (|
| 18 | 89 | 0 | 0 | 0.573333 | 0.426667 | 0 | 0 | (|
| 90 | 155 | 0 | 0.716418 | 0 | 0.283582 | 0 | 0 | |
| 156 | 198 | 0 | 0.212121 | 0 | 0.787879 | 0 | C | |
| 199 | 276 | 0 | 0.552941 | 0 | 0.447059 | 0 | c | |
| 277 | 304 | 0 | 0 | 0 | 0.666667 | 0 | C | 0.33333 |

FIGURE 2

| Vote1 | Vote2 | Vote3 | Threshold1 | Threshold2 | Threshold3 |
|-------|-------|-------|------------|------------|------------|
| 1 | 1 | 4 | 0.30 | 0.50 | 0.80 |
| 1 | 1 | 4 | 0.30 | 0.60 | 0.90 |
| 1 | 1 | 4 | 0.40 | 0.60 | 0.80 |
| 1 | 2 | 3 | 0.30 | 0.50 | 0.80 |
| 1 | 2 | 3 | 0.30 | 0.60 | 0.90 |
| 1 | 2 | 3 | 0.40 | 0.60 | 0.80 |
| 1 | 2 | 4 | 0.30 | 0.60 | 0.80 |
| 1 | 2 | 4 | 0.30 | 0.60 | 0.90 |
| 1 | 2 | 4 | 0.40 | 0.60 | 0.90 |
| 1 | 2 | 5 | 0.30 | 0.50 | 0.80 |
| 1 | 2 | 5 | 0.30 | 0.60 | 0.90 |
| 1 | 2 | 5 | 0.40 | 0.60 | 0.80 |
| 1 | 3 | 5 | 0.30 | 0.50 | 0.80 |
| 1 | 3 | . 5 | 0.30 | 0.60 | 0.90 |
| 1 | 3 | 5 | 0.40 | 0.60 | 0.80 |

FIGURE 3

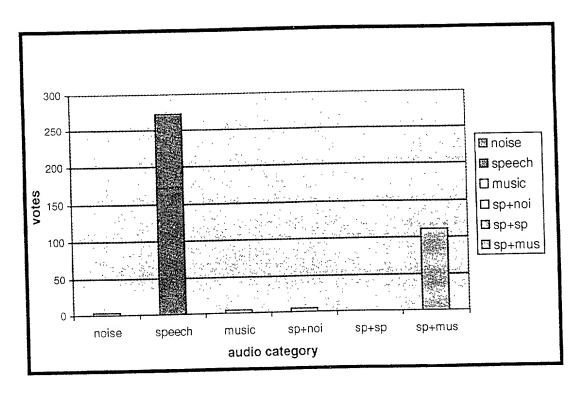


FIGURE 4

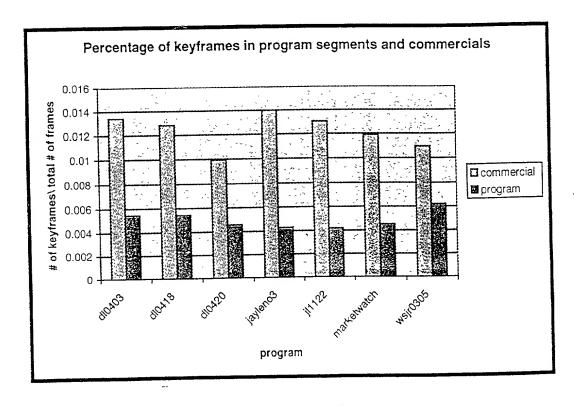
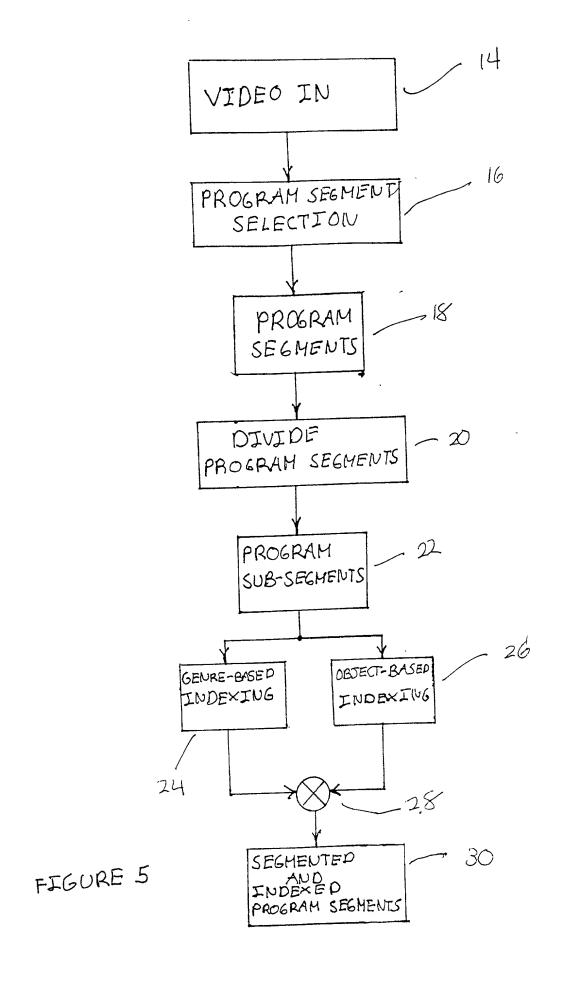


FIGURE 6



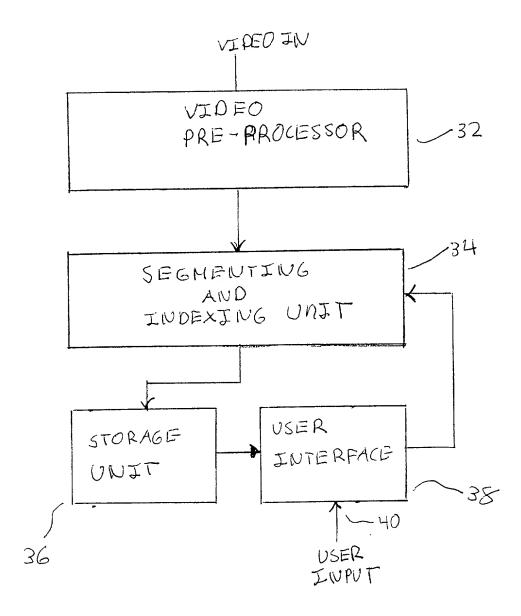


FIGURE 7